IN THE CLAIMS:

Please AMEND claims 1, 12 and 13 as follows.

1. (Currently Amended) A display device comprising:

a light source for emitting a light;

a light modulation element for modulating the emitted light; and

picture signal inputting means for receiving a picture signal from the outside and inputting a driving signal for driving said light modulation element to said light modulation element, in which said light modulation element modulates the light based on the picture signal and an image is displayed,

wherein said picture signal inputting means comprises target light amount calculating means and light amount controlling means, said target light amount calculating means calculating an adequate light amount for an image display and said light amount controlling means receiving the signal from said target light amount calculating means and controlling the light so as to obtain a target light amount; and

wherein said picture signal inputting means changes signal amplification rates in at least two input ranges for changing input-output conversion characteristics according to an output of said target light amount calculating means, and in the two input ranges of the input-output conversion characteristics said picture signal inputting means largely amplifies the driving signal when the picture signal has a low luminance and slightly amplifies the driving signal when the picture signal has a high luminance, whereby an amplification rate of input at the low luminance is larger than an amplification rate of input at the high luminance.

2. (Previously Presented) The display device according to claim 1, wherein, when the picture signal has a high luminance, a pseudo multi-gradation process is executed.

3. (Previously Presented) The display device according to claim 1, wherein said light amount controlling means comprises a member for converting the light to a polarization light flux and a light amount adjusting member for controlling a permeable amount of the polarization light flux, and wherein by changing a rotational position of said light amount adjusting member, a light amount is controlled.

4. (Previously Presented) The display device according to claim 2, wherein said light amount controlling means comprises a member for converting the light to a polarization light flux and a light amount adjusting member for controlling a permeable amount of the polarization light flux, and wherein by changing a rotational position of said light amount adjusting member, a light amount is controlled.

5. (Previously Presented) The display device according to claim 3, wherein said light amount adjusting member is a phase plate.

6. (Previously Presented) The display device according to claim 4, wherein said light amount adjusting member is a phase plate.

7. (Previously Presented) The display device according to claim 2, wherein rotation of said light amount adjusting member is executed by an ultrasonic motor.

8. (Previously Presented) The display device according to claim 3, wherein rotation of said light amount adjusting member is executed by an ultrasonic motor.

9. (Previously Presented) The display device according to claim 4, wherein rotation of said light amount adjusting member is executed by an ultrasonic member.

10. (Previously Presented) The display device according to claim 5, wherein rotation of said light amount adjusting member is executed by an ultrasonic motor.

11. (Previously Presented) The display device according to claim 6, wherein rotation of said light amount adjusting member is executed by an ultrasonic motor.

12. (Currently Amended) A display device comprising:

a light source for emitting a light;

a light modulation element for modulating the emitted light; and

picture signal inputting means for receiving a picture signal from the outside and inputting a driving signal for driving the light modulation element to said light modulation element, in which said light modulation element modulates the light based on the picture signal and an image is displayed,

wherein said picture signal inputting means comprises target light amount calculating means and light amount controlling means, said target light amount calculating means calculating an adequate light amount for an image display and said light amount controlling means receiving the signal from said target light amount calculating means and controlling a light

which is transmitted or reflected by said light modulation element so as to obtain a target light amount; and

wherein said picture signal inputting means changes a signal amplification ~~factor~~ rate for changing input-output conversion characteristics corresponding to an output of said target light amount calculating means, and the signal amplification rate is set to two or more values corresponding to an input level, whereby an amplification rate of input at the low luminance is larger than an amplification rate of input at the high luminance.

13. (Currently Amended) The display device according to claim 12, wherein, when the picture signal has a high luminance, said picture signal inputting means amplifies by an amplification factor not more than an amplification factor used when [[in]] the picture signal has a low luminance.

14. (Original) The display device according to claim 12, wherein, when the picture signal has a low luminance, the signal is amplified by an amplification factor of 1 or more.